APPENDIX IV

Sample DEQ Plan Submitter's Checklist for Stormwater Management Plans

Please fill in all blanks and <u>please reference the plan sheets/pages where the information may be found</u>, where appropriate, or write N/A by items that are not applicable.

<u>GENERAL</u>			
Plan Submis	ssion Date		
Project Nan			
Site Plan Nu	umber		
Site Address	S		
		Phone Number	
Applicant L	egal Address		
Owner		Phone Number	
Owner E-ma	ail Address		
		Phone Number	
Principal De	esigner E-mail Address		
	bed Area Figure		
	sheet of each Narrative and each se Sheets. <u>Number of plan sets</u> – Attach two s	d are governed by Section 9VAC25-870-57 of the Virgin	an
	<u>Local Consideration</u> – Provide conf	act information for the <u>locality's</u> plan review coordinator.	
		Phone Number	
	9VAC25-870-48 of the <i>Virginia St</i> <u>Offsite Compliance</u> – Attach letter	g documentation consistent with the requirements of Section mwater Management Regulations. er of availability from the off-site provider as governed iginia Stormwater Management Regulations.	
PROJECT	NAME:	SUBMITTAL#:	

CHECKLIST PREPARER

I certify that I am a professional in adherence to all minimum standards and requirements pertaining to the practice of that profession in accordance with Chapter 4 (§ 54.1-400 et seq.) of Title 54.1 of the Code of Virginia and attendant regulations. By signing this checklist I am certifying that this document and all attachments are, to the best of my knowledge and belief, true, accurate, and complete.

SIGNATURE	
PRINTED NAME	
QUALIFICATIONS	
DATE	
PROJECT NAME:	SUBMITTAL#:
PLANS DATED:	

SITE PLANS

CT NAM	E:SUBMITTAL#:
basins etc.), s	, channels, lateral groundwater movement interceptors (French drains, agric. tile diswales, and areas of overland flow, including grades, dimensions, and direction of flow hal drainage patterns and flow paths
	orm drainage plans for site areas not draining to any BMP(s) ocation of existing and proposed conveyance systems, such as storm drains, inlets,
structi	ural stormwater control measures, including maintenance access and limits of disturbance
☐ Ea	rthwork specifications now the BMP name, geographic coordinates and design of both structural and
	ocation of existing and proposed utilities [e.g., water (including wells), sewer (inclusives), gas, electric, telecommunications, cable TV, etc.] and easements
storm	water management facilities, and easements
	oposed land use(s) with a tabulation of the percentage of surface area to be adapted uses, including but not limited to planned locations of utilities, roads, parking
□Lo	cation and description of any planned demolition of existing structures, roads, etc.
	rrent land use and location of existing and proposed roads, buildings, parking lots and vious areas
impair	red waters
	s, drinking water well setbacks, septic drainfield setbacks, building setbacks, etc.) entification of any on-site or adjacent water bodies included on the Virginia 303(d) li
	ponds, aquifers, public drinking water supplies, etc.) and applicable setbacks (e.g., st
☐ Lo	ocation and boundaries of natural feature protection and conservation areas (e.g., wetle
	water management facilities undaries of existing predominant vegetation and proposed limits of clearing and grading
	ydrologic characteristics and structural properties of soils used in the installation water management facilities
specif	ic test bore hole investigations that may have been conducted and information identi-
	apping of predominant soils from USDA soils surveys as well as the location of any
	operty lines rennial and intermittent streams
	isting and proposed topography (minimum of 2-foot contours recommended)
☐ Vi	cinity map
☐ Le	
	illustrates the following at a minimum: orth arrow
	ng and proposed mapping and plans (recommended scale of 1" = 50', or greater de
	ces, stormwater control measures, relevant information pertaining to long-term mainter se measures, and a construction schedule.
final	rative that includes a description of current site conditions and proposed developmen site conditions, including proposed use of environmental site design techniques
•	number(s) of the property or properties affected.
	non address and legal description of the site, including the tax reference number(s)

PLANS DATED:				
PROJECT	NAME:SUBMITTAL#:			
	Applicable construction and material specifications, including references to applicable material and construction standards (ASTM, etc.)			
	Structural details of BMP designs, outlet structures, embankments, spillways, grade controstructures, conveyance channels, etc.			
	Representative cross-section and profile drawings and details of stormwater control measures and conveyances which include the following: Existing and proposed structural elevations (e.g., inverts of pipes, manholes, etc.) Design water surface elevations			
	☐ Final analysis of the potential downstream impacts/effects of the project, where necessary ☐ Downstream analysis, where detention is proposed ☐ Dam safety and breach analysis, where necessary			
	☐ Pollution load and load reduction requirements and calculations ☐ Final good engineering and sizing calculations for stormwater control measures, including contributing drainage areas, storage, and outlet configurations, verifying compliance with the water quality and water quantity requirements of the regulations ☐ Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities			
	volumes, and velocities, showing the methodologies used and supporting calculations Hydrologic and hydraulic analysis of the stormwater management system for all applicabl design storms			
	 □ NRCS runoff curve numbers or volumetric runoff coefficients □ A hydrologic analysis for the existing (pre-development) conditions, including runoff rates volumes, and velocities, showing the methodologies used and supporting calculations □ A hydrologic analysis for the proposed (post-development) conditions, including runoff rates 			
	☐ Time of concentration (and associated flow paths) ☐ Imperviousness of the entire site and each drainage area			
	calculations Identification and calculation of stormwater site design credits, if any apply Summary description of the water quantity and water quality compliance strategy.			
	Hydrologic and hydraulic analysis, including the following:			
	crossings ☐ Final stabilization and landscaping plans			
	adjoining parcels Location and dimensions of proposed channel modifications, such as bridge or culver			
	Location of all contributing drainage areas and points of stormwater discharge, receiving surface waters or karst features into which stormwater discharges, the pre-development and post development conditions for drainage areas, and the potential impacts of site stormwater of			
	Location of floodplain/floodway limits and relationship of site to upstream and downstream properties and drainage systems			

Version: February 2, 2015 Landscaping plans for stormwater control measures and any site reforestation or revegetation Long term operations and maintenance plan/agreement as governed by 9VAC25-870-112 of the Virginia Stormwater Management Program Regulations. Evidence of acquisition of all applicable local and non-local permits Waiver/exception requests Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts, etc.) Applicable supporting documents and studies (e.g., infiltration tests, geotechnical investigations, TMDLs, flood studies, etc.) Other required permits: PROJECT NAME: _____ SUBMITTAL#: _____

PLANS DATED: _____